Wuhan Institute of Technology

School of computer science and engineering

Professional Practice Report

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| --- | --- |
| Major | Computer Science and Technology |
| Class | Sep2021 |
| Student Number | 2114010120 |
| Student Name | LAMNAOUAR AYOUB – 兰志强 |
| Adviser | Yanan Li（Associate Professor） |
| Practice Time | Second Semester of 2022-2023 |
| 2023.04.17-2023.05.23 |
| Practice Score |  |

Description:

1. The practice report is provided by the School of Computer Science and Engineering of Wuhan Institute of Technology in its basic format (applicable to all majors in the school). The teaching and research office of each major and the person in charge of the practice can make appropriate adjustments according to the characteristics of the major and the practice content. Students must fill in the practice report format carefully.
2. The advisor, the teaching supervisor of the college, and the students attend the defense, and evaluate the project management ability of the students according to the score table, and give the score.
3. The school instructor is responsible for evaluating the format of students' practice reports and giving corresponding scores and comments.
4. The text of the practice report should be no less than 5000 words, Practice diary no less than 500 words per day.
5. In the body of the practice report, the purpose and task of the practice, the place of the practice, the content and requirements of the practice, etc., can be given uniformly by the school instructor.

**Teaching Objective**

Through the training of professional practice, students can understand the development status, industry background and service objects of the major. Can apply the current mainstream development technology, tools, platform, framework independently design and development of computer application system. In engineering practice, through the flexible application of engineering knowledge, solve practical problems, experience the solution process of solving complex engineering problems, so as to get comprehensive training.

**Course Objective**

| **Serial Number** | **Course Objective** | **Approach** | **Evaluation Criterion** |
| --- | --- | --- | --- |
| 1 | Able to correctly understand the relationship between individuals and society, cautious, reasonable, standardized use of computer technology to develop the system. | The instructor is responsible for introducing the industry norms and basic professional qualities of computer related professional engineers. | Whether the subject matter of the product meets the right value transmission, whether it pays attention to the selection of humanized content and framework design. |
| 2 | Students can keep thinking in the process of acquiring new knowledge, gradually develop the awareness and habit of independent learning and lifelong learning, and strong communication and problem-solving skills. | Students explained how to control the progress of project development and the completion of milestones, explained the system development cost composition, and answered the questions raised by teachers and students. | Grade for presentation and answering questions during personal defense. |
| 3 | Have strong written expression ability, practice report format standard, logical and clear. | Write practice reports and notes | Grading of practice report |

Professional Practice Performance Evaluation Form

Student Name：LAMNAOUAR AYOUB – 兰志强 Student Number：2114010120 Class： Sep2021

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Category | Total Score | Each Score | Scoring Criteria | Actual Score |
| Practice Report | 40 | 40 | Students can make a comprehensive summary of the practice content, learn relevant knowledge and skills consciously, solve practical problems independently, and complete the report on time. The format of the report should meet the requirements. |  |
| Program Completion and Personal Defense | 60 | 30 | Complete the Validation Programming and Python Programming. The students' ability of system development is evaluated from the aspects of whether the system design is reasonable, the code quality, the function is complete, the interface is beautiful, conforms to the user's operation habits and so on. |  |
| 30 | Students can obtain points according to their individual work, program demonstration and defense |  |
| Overall Score | | | |  |

**Program Completion Rating Sheet**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Serial Number** | **Score Item** | | **Score** | **Actual Score** |
| 1 | Validation Programming | Clock | 3 |  |
| 2 | Number Guessing Game | 3 |  |
| 3 | Card Game | 3 |  |
| 4 | Fidget Spinner | 3 |  |
| 5 | Tic Tac Toe | 3 |  |
| 6 | Python Programming | Five In A Row | 5 |  |
| 7 | Snake | 5 |  |
| 8 | Tetris | 5 |  |
| Total Score | | | |  |

**Personal Defense Score Sheet**

|  |  |  |  |
| --- | --- | --- | --- |
| **Serial Number** | **Score Item** | **Score** | **Actual Score** |
| 1 | **Personal work:** Self-propositional programming | 10 |  |
| 2 | **Program Demonstration:** Demonstrates a self-propositional program | 10 |  |
| 3 | **Defense:** Answer questions from instructors on site. | 10 |  |
| Total score | | |  |

**Ⅰ.Purpose and Task of Practice**

Professional practice is an important practical teaching link for further understanding and understanding of this major. Through this practice, firstly, to improve students' ability of investigation, literature retrieval and data collection; The second is to improve students' ability to combine computer science and technology theory with practice. Specific tasks including:

1.Understand the development status of computer science and technology related fields and the latest scientific research results, as well as the application in production research;

2.Consolidate students' theoretical knowledge, cultivate students' practical ability and innovation ability, broaden students' vision, establish their confidence in learning professional knowledge, and lay a certain practical foundation for learning follow-up courses;

3.Enhance the humanities and social science literacy, social responsibility, establish correct values.

**Ⅱ.Practice Location**

Computer Room 8, Liufang Campus, Wuhan Institute of Technology.

**Ⅲ.Practice Content**

|  |  |  |
| --- | --- | --- |
| Days/dates | Learning Content | Details |
| Day1/April 11 | Installation of the Python compiler and PyCharm, learn the basic syntax and advanced syntax of the Python language. | Python Tutorial web version:  <https://www.programiz.com/python-programming>  Python Tutorial video:  [https://www.bilibili.com/video/BV1VS4y117xN](https://www.bilibili.com/video/BV1VS4y117xN/) |
| Day2/April 17 |
| Day3/April 18 |
| Day4/May 8 | Validation programming in Python  Material Source:  <https://wwtz.lanzoul.com/b04dwd8zg>  password：j208 | GUI example : Clock  Mini-game example 1 : Number Guessing Game  Mini-game example 2 : Card Game  Mini-game example 3: Fidget Spinner  Mini-game example 4 : Tic Tac Toe |
| Day5/May 9 |
| Day6/May 15 | Python programming and defense  Material Source:  <https://wwtz.lanzoul.com/b04dwdj6d>  password：j208 | Task 1 : Five In A Row  Task 2 : Snake  Task 3 : Tetris  Task 4 : Self-propositional programming  Practice defense |
| Day7/May 16 |
| Day8/May 22 |
| Day9/May 23 |
| June 05 | Practice Report  Electronic version | Electronic version should be sent to yananli@wit.edu.cn |

**Ⅳ. Summary and Analysis of Practice**

（Systematic summary of the whole process of practice content. Time New Roman typeface, small four size, 1.2 - spaced。）

Practice Notes

（During the practice, students should record the practice process in the form of diary. The format includes: time, place, main practice content, etc. The content can include: daily learning content and system progress, analysis and thinking of problems and other work situation. No less than 500 words per essay. Times New Roman, small four, 1.2 space）

Date：XXXX-XX-XX

Location：XXXXXXXXXXXXXXXX

Main Content：

Date：XXXX-XX-XX

Location：XXXXXXXXXXXXXXXX

Main Content：